

## Product datasheet for **TA343633**

### HOXA2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-HOXA2 antibody: synthetic peptide directed towards the middle region of human HOXA2. Synthetic peptide located within the following region: DFSVFSTDSCLQLSDAVSPSLPGSLDSPVDISADSLDFFDTLTTIDLQH
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	41 kDa
Gene Name:	homeobox A2
Database Link:	<a href="#">NP_006726</a> <a href="#">Entrez Gene 3199 Human</a> <a href="#">O43364</a>



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**Background:**

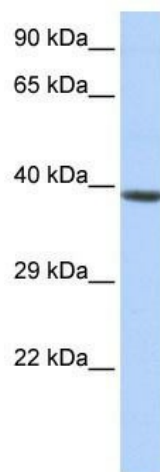
In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. HOXA2 gene is part of the A cluster on chromosome 7. This protein is a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. It may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development.

**Synonyms:**

HOX1K; MCOHI

**Note:**

Immunogen Sequence Homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Guinea pig: 100%; Rabbit: 93%

**Product images:**

WB Suggested Anti-HOXA2 Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive  
Control: Jurkat cell lysate

